

# **TRANSPORTATION SYSTEM MANAGEMENT**

**DISEDIAKAN OLEH:  
ASSOC. PROF. HJ. ZAKARIA BIN AHMAD**

**JANUARY 2013**

**KUMPULAN PENYELIDIK**

**ZAKARIA BIN AHMAD**

Ketua Projek

A stylized handwritten signature in black ink, featuring a large initial 'Z' and a long horizontal stroke extending to the right.

.....  
Tandatangan

## **ABSTRACT**

A sustainable transportation system has been defined as one that satisfies current transport and mobility needs without compromising the ability of future generations to meet their own (Black, 1997; Richardson, 1999). Nowadays, number of students increase significantly; this has led to increase in ownership and use of the car to the point that UiTM; Shah Alam is facing a serious impact from car traffic and parking shortages. At the same time, that the car has had a major negative impact on the quality of life in campus communities. Moreover, as car use increases to ever higher levels, the car tends to drive out competing modes, thus limiting travel options. That is partly due to the car's genuine benefits, but also results from the negative impacts of car use of other modes. By introducing the green campus in terms of transportation initiative, it can help to improve transportation options and reduce trips at colleges, universities and other campus facilities. University campuses can constitute a laboratory for testing and implementing various alternative transportation strategies, reducing infrastructure costs and minimizing their impact on surrounding areas.

**Keywords:** Green Campus; Sustainable, Transportation Initiative.

## TABLE OF CONTENT

	Pages
Acknowledgement	i
Abstract	ii
Table of Content	iii
<b>PART        1:        LITERATURE REVIEW</b>	<b>1</b>
1.1        Introduction	1
1.2        Green Campus	1
1.3        Green Campus: Transportation Initiative	2
1.3.1        Sustainable Transportation	2
1.3.2        Definition	3
1.4        The Best Practice of Green Campus Transportation at Local University	3
1.4.1        Green Campus Transportation at UPM	3
1.4.2        Green Campus Transportation at USM	4
1.4.3        Green Campus Transportation at UUM	5
1.4.4        Green Campus Transportation at UKM	6
1.5        The Best Practice of Green Campus Transportation at Western Country	7
1.5.1        Green Campus Transportation at Berkeley University in California, USA	7
1.5.2        Green Campus Transportation at University Of Edinburgh, United Kingdom	8
1.5.3        Green Campus Transportation at University Of Stockholm, Sweden	8

1.6	The Best Practice of Green Campus Transportation at Asian Country	9
1.6.1	Green Campus Transportation at University of Science and Technology, China	9
1.6.2	Green Campus Transportation at IIT Bombay, India	10
1.6.3	Green Campus Transportation at Universitas Indonesia	10
1.6.4	Green Campus Transportation at University of Tokyo, Japan	11
1.6.5	Green Campus Transportation at Kangnam University, South Korea	12
1.7	The Best Practice of Green Campus Transportation at Middle East Country	13
1.7.1	King Abdullah University Of Science and Technology, Saudi Arabia	13
1.7.2	Green Campus Transportation at Ozyegin University, Turkey	13
1.8	References	15
<b>PART</b>	<b>2 : TRANSPORTATION SYSTEM MANAGEMENT</b>	<b>17</b>
<b>1.0</b>	<b>Introduction</b>	<b>17</b>
1.1	Purpose	17
1.2	Scope	17
1.2.1	Public Transport System	18
1.2.2	Infrastructure	18
1.3	Definitions	18
1.4	Legislative Context	19
2.0	Strategic Objective	20
2.1	Institutions Reforms	20
2.2	Road/ Vehicle Operation improvement	20
2.3	Transport Demand Management	20
2.4	Supporting Documentation	21
2.4.1	Forms and records management	21
2.4.2	Related Material	22